

DEFIBRILLATION

INDICATIONS:

- Ventricular fibrillation.
- Pulseless ventricular tachycardia.

PROCEDURE:

- Apply conductive gel or defibrillation pads.
- Select energy level.

<u>Monophasic:</u>	1 st	2 nd	3 rd /subsequent
Adult:	200J	200-300J	360J
Pediatric (< 40 kg):	2 J/Kg	4 J/Kg	4 J/Kg
<u>Biphasic*:</u>	1 st	2 nd	3 rd /subsequent
Adult:	120J	150J	200J
Pediatric (< 40 kg):	1 J/Kg	2 J/Kg	4 J/Kg

- Press the charge button to energize the paddles.
- Clear all personnel from patient contact. Call out, "All Clear" and confirm that no one is in contact with the patient.
- Place the paddles on the chest (upper right side of the sternum and left lower chest anterior axillary line). The anterior/posterior placement should be used for pediatric patients over 1 year/10 Kg in weight.
- Exert firm pressure on the paddles while simultaneously depressing the paddle buttons.
- Reassess patient for any change in rhythm.

NOTES:

- ***Defibrillation energy levels vary according to the type of waveform (monophasic or biphasic). Follow manufacturer's recommendations. If none listed, utilize energy levels as noted above.**
- **Documentation should indicate if monophasic or biphasic energy was used and the amount of Joules administered.**
- **Count first responder countershocks/AED use/public access defibrillation as part of the ALS algorithm.**
- **During transfer of care between two different types of defibrillators (monophasic or biphasic), providers should restart the defibrillation protocol for their type of equipment.**
- **If patient refribrillates, use the energy level previously successful in converting the rhythm.**
- **It is not necessary to check for a pulse between the three defibrillations administered in rapid succession if the rhythm persists.**
- **When defibrillating pediatric patients:**
 - **Patients younger than 1 year/10 Kg weight: use "infant" paddles on patients.**
 - **Patients > 1 year/10 Kg: use adult paddles and the anterior/posterior placement.**